

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Inventors: Sadaki FUTAGI, et al.

Application No.: New Patent Application

Filed: August 21, 2001

For: RADIO COMMUNICATION APPARATUS AND CHANNEL ESTIMATING METHOD

INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner of  
Patents and Trademarks  
Washington, DC 20231

Sir:

Pursuant to Rules 56 and 99, Applicants hereby call the attention of the Patent Office to the reference(s) listed on the attached Form PTO 1449.

Applicants present this art so that the Patent Office may, in the first instance, determine any relevancy thereof to the presently claimed invention, see Beckman Instruments, Inc. v. Chemtronics, Inc., 439 F.2d 1369, 1380, 165 USPQ 355, 364 (5th Cir. 1970). Also see Patent Office Rules 104 and 106.

Applicants respectfully request that this art be expressly considered during the prosecution of this application and made of

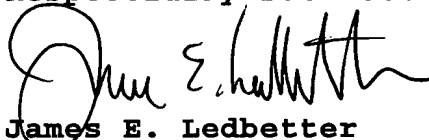
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11046 U.S. PTO  
09/933038



record herein and appear among the "References Cited" on any patent to issue herefrom.

Respectfully submitted,



James E. Ledbetter  
Registration No. 28,732

Date: August 21, 2001

JEL/ejw

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ATTY. DOCKET NO.

SERIAL NO.

**L9289.01172**

## Unassigned

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Sadaki FUTAGI et al.

FILING DATE

**August 21, 2001**

**GROUP**

## Unassigned

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09/939038

08/21/01

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	Hiroshi Harashima, et al. "Matched-Transmission Technique for Channels with Intersymbol Interference", IEEE Transactions on Communications, vol. com -20, No. 4, p. 774-780, Aug. 1972.
	Shigeru Tomisato, et al. "Signal Transmission Performance of Spatial and Temporal Pre-Coding in TDD Mobile Communication Systems", NTT Mobile Communications Network Inc., pages 540-541, 1998.

**EXAMINER**

**DATE CONSIDERED**

**EXAMINER:** Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.